# National Transportation Safety Board Washington, DC 20594

#### **Brief of Accident**

## Adopted 12/06/2002

DEN02LA086

File No. 12519		07/31/2002	Fort Collins, CO	Aircraft Reg No.	Aircraft Reg No. N5088K		Time (Local): 16:15 MDT	
Engine M Aircra Number Operating Co Type of Flight	Make/Model: aft Damage: of Engines: ertificate(s): t Operation:	None		Crew Pass	Fatal 0 0	Serious 0 0	Minor/None 1 0	
Destination: Airport Proximity:		Fort Collins Downtown 11 5300 / 48 Asphalt			Condition of Light: Day Weather Info Src: Weather Observation Facility Basic Weather: Visual Conditions Lowest Ceiling: None Visibility: 10.00 SM Wind Dir/Speed: 150 / 005 Kts Temperature (°C): 37 Precip/Obscuration: None / None			
Pilot-in-Command  Certificate(s)/Rating(s)     Student Instrument Ratings     None	Age:	53		Т	Total Las Total M	ht Time (Hours)  otal All Aircraft: 96  Last 90 Days: 53  al Make/Model: 96  istrument Time: UnK/Nr		

The student pilot had just finished practicing several soft field take offs and landings with an instructor and was on his first solo flight of the day. After taxing to the end of runway, he pulled the yoke back all the way, and added full power. Following rotation, the airplane came straight up in a 45-degree incline. At approximately 20 feet in the air, the airplane drifted off to the right of the runway, struck the ground with its left wing tip, bounced up and then it struck the ground a second time. The ground impact collapsed and sheered off the nose landing gear, buckled the firewall, and bent the outboard 4 feet of the right wing spar.

#### Brief of Accident (Continued)

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Occurrence #1: LOSS OF CONTROL - IN FLIGHT Phase of Operation: TAKEOFF - INITIAL CLIMB

### Findings

1. (C) AIRCRAFT CONTROL - NOT MAINTAINED - PILOT IN COMMAND

2. (C) STALL/MUSH - ENCOUNTERED - PILOT IN COMMAND

3. (C) SOFT FIELD TAKEOFF/PROCEDURE - INADEQUATE - PILOT IN COMMAND

4. (F) LACK OF EXPERIENCE - PILOT IN COMMAND

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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: TAKEOFF - INITIAL CLIMB

## **Findings**

5. TERRAIN CONDITION - RUNWAY

Findings Legend: (C) = Cause, (F) = Factor

The National Transportation Safety Board determines the probable cause(s) of this accident as follows.

the student pilot's failure to maintain aircraft control and subsequent inadvertent stall/mush into terrain during a soft field take off. Contributing factors include the pilot's lack of experience and the high density altitude conditions.